

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 09272387
PUBLICATION DATE : 21-10-97

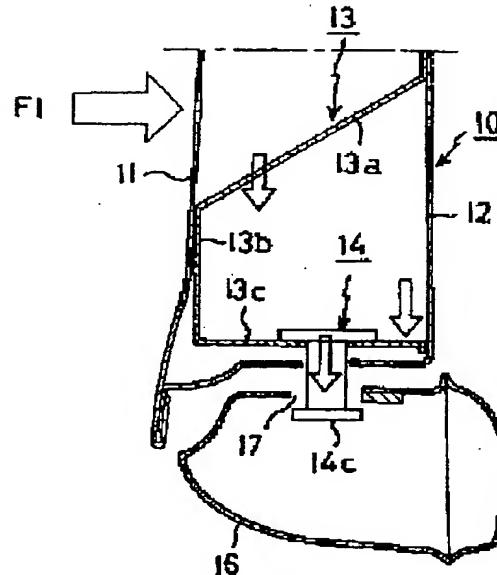
APPLICATION DATE : 05-04-96
APPLICATION NUMBER : 08110394

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INT.CL. : B60R 21/02 B60J 5/04 B60R 21/04

TITLE : STRUCTURE FOR PREVENTING
VEHICLE DOOR FROM ENTERING
INTO COMPARTMENT



ABSTRACT : PROBLEM TO BE SOLVED: To prevent a lateral collision load acting on a door from being transmitted to the vehicle body side and safely secure an occupant by constituting the structure in such a state as projecting an engagement member in the direction crossing at right angles with the advancing direction of the door so as to engaged with the vehicle body in occurring of a side impact.

SOLUTION: When a side-directional force F1 is inputted in a door outer panel 11 by a side-impact, the panel 11 moves in the inside of a cabin and is in contact with a side face part 13b of a metal pad 13 or a cushioning material. In this case, the top face part 13a of the metal pad 13 is inclined downward toward the door outer panel 11 so as to receive a downward force and the bottom end part of the metal pad 13 is in no-contact with the door inner panel 12 so that the inclination of the top face part 13b is enhanced to push down the bottom face part 13c. An engagement part 14 moves downward along with it and the engagement projection 14c on the tip is entered in the engagement hole 17 in the top face of a side sill 16. This constitution prevents the door main body 10 from entering in the compartment after this.

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